

## Anti-BACE2 antibody

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<b>Description</b>	Unconjugated Rabbit polyclonal to BACE2
<b>Model</b>	STJ192506
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	ELISA, WB
<b>Immunogen</b>	Synthesized peptide derived from human BACE2 protein.
<b>Immunogen Region</b>	210-290aa
<b>Gene ID</b>	<a href="#">25825</a>
<b>Gene Symbol</b>	<a href="#">BACE2</a>
<b>Dilution range</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Specificity</b>	BACE2 Polyclonal Antibody detects endogenous levels of protein.
<b>Tissue Specificity</b>	Brain. Present in neurons within the hippocampus, frontal cortex and temporal cortex (at protein level). Expressed at low levels in most peripheral tissues and at higher levels in colon, kidney, pancreas, placenta, prostate, stomach and trachea. Expressed at low levels in the brain. Found in spinal cord, medulla oblongata, substantia nigra and locus coeruleus. Expressed in the ductal epithelium of both normal and malignant prostate.
<b>Purification</b>	BACE2 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Beta-secretase 2 Aspartic-like protease 56 kDa Aspartyl protease 1 ASP1 Asp

1 Beta-site amyloid precursor protein cleaving enzyme 2 Beta-site APP cleaving enzyme 2 Down region aspartic protease DRAP Me

<b>Molecular Weight</b>	56 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://www.ncbi.nlm.nih.gov/omim/605668">HGNC:934OMIM:605668</a>
<b>Alternative Names</b>	Beta-secretase 2 Aspartic-like protease 56 kDa Aspartyl protease 1 ASP1 Asp 1 Beta-site amyloid precursor protein cleaving enzyme 2 Beta-site APP cleaving enzyme 2 Down region aspartic protease DRAP Me
<b>Function</b>	Responsible for the proteolytic processing of the amyloid precursor protein (APP). Cleaves APP, between residues 690 and 691, leading to the generation and extracellular release of beta-cleaved soluble APP, and a corresponding cell-associated C-terminal fragment which is later released by gamma-secretase. It has also been shown that it can cleave APP between residues 671 and 672.
<b>Cellular Localization</b>	Membrane. Single-pass type I membrane protein. Golgi apparatus. Endoplasmic reticulum. Endosome. Cell surface.
<b>Post-translational Modifications</b>	Undergoes autoproteolytic cleavage.; Glycosylated.

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